



Expression of a Human Insulin Precursor in P. Pastoris.ST25.txt  
SEQUENCE LISTING

<110> Laboratorios Beta S.A.

<120> 52071-4

<130> 52071.00004

<160> 26

<170> PatentIn version 3.1

<210> 1

<211> 36

<212> DNA

<213> Artificial Sequence

<220>

<223> Artificial Sequence: Synthetic Primer

<400> 1

tcacacctgg tggaagctct ctacctagtg tgcggg

36

<210> 2

<211> 45

<212> DNA

<213> Artificial Sequence

<220>

<223> Artificial Sequence: Synthetic Primer

<400> 2

Expression of a Human Insulin Precursor in P. Pastoris.ST25.txt 45  
ggctcttggt gtgtagaaga agcctcggtc cccgcacact aggta

<210> 3

<211> 39

<212> DNA

<213> Artificial Sequence

<220>

<223> Artificial Sequence: Synthetic Primer

<400> 3

tttgtgaacc aacacctgtg cggctcacac ctggtggaa 39

<210> 4

<211> 45

<212> DNA

<213> Artificial Sequence

<220>

<223> Artificial Sequence: Synthetic Primer

<400> 4

gctggtacag cattgttcca caatgccacg cttggtcttg ggtgt 45

<210> 5

<211> 52

<212> DNA

<213> Artificial Sequence

<220>

<223> Artificial Sequence: Synthetic Primer

<400> 5

ctagttgcag tagttctcca gctggtagag ggagcagatg ctggtacagc at 52

Expression of a Human Insulin Precursor in P. Pastoris.ST25.txt  
<210> 6

<211> 162

<212> DNA

<213> Artificial Sequence

<220>

<223> Artificial Sequence: complete synthetic insulin precursor obtained by PCR using human insulin sequence as original source

<400> 6  
tttgtgaacc aacacctgtg cggctcacac ctggtggaag ctctctacct agtgtgcggg 60  
gaacgaggct tcttctacac acccaagacc aagcgtggca ttgtggaaca atgctgtacc 120  
agcatctgct ccctctacca gctggagaac tactgcaact ag 162

<210> 7

<211> 50

<212> DNA

<213> Artificial Sequence

<220>

<223> Artificial Sequence: Synthetic Primer

<400> 7  
acttggttga agctttgtac ttggtttgtg gtgaaagagg tttcttctac 50

<210> 8

<211> 50

<212> DNA

<213> Artificial Sequence

<220>

<223> Artificial Sequence: Synthetic Primer

<400> 8  
agaagtacaa cattgttcaa cgatacctct ctagtctttt ggagtgtaga 50

Expression of a Human Insulin Precursor in P. Pastoris.ST25.txt

<210> 9

<211> 33

<212> DNA

<213> Artificial Sequence

<220>

<223> Artificial Sequence: Synthetic Primer

<400> 9

acacttggtg ggttctcact tggttgaagc ttt

33

<210> 10

<211> 66

<212> DNA

<213> Artificial Sequence

<220>

<223> Artificial Sequence: Synthetic Primer

<400> 10

ttactcgagt tagttacagt agttttccaa ttggtacaaa gaacagatag aagtacaaca

60

ttgttc

66

<210> 11

<211> 36

<212> DNA

<213> Artificial Sequence

<220>

<223> Artificial Sequence: Synthetic Primer

<400> 11

ccgctcgaga agagatttgt taaccaacac ttgtgt

36

Expression of a Human Insulin Precursor in P. Pastoris.ST25.txt

<210> 12

<211> 162

<212> DNA

<213> Artificial Sequence

<220>

<223> Artificial Sequence: synthetic insulin precursor, obtained by PCR  
using human insulin sequence as original source

<400> 12

tttgtaaacc aacacttggtg tggttctcac ttggttgaag ctttgactt gggttggtggt 60

gaaagagggtt tcttctacac tccaaagact aagagaggta tcgttgaaca atgttggtact 120

tctatctggtt ctttgtagca attggaaaac tactgtaact aa 162

<210> 13

<211> 56

<212> DNA

<213> Artificial Sequence

<220>

<223> Artificial Sequence: Synthetic Primer

<400> 13

cgcggtatcca aaccatgaga ttcccatcta tcttcactgc tgttttgttc gctgct 56

<210> 14

<211> 68

<212> DNA

<213> Artificial Sequence

<220>

<223> Artificial Sequence: Synthetic Primer

<400> 14

Expression of a Human Insulin Precursor in P. Pastoris.ST25.txt  
gttttggtcg ctgcttcttc tgctttggct gctcctgtta acactactac tgaagacgaa 60  
actgctca 68

<210> 15

<211> 71

<212> DNA

<213> Artificial Sequence

<220>

<223> Artificial Sequence: Synthetic Primer

<400> 15  
acgtcgaagt caccttccaa gtcagagtaa ccgataaccg cttcagctgg gatttgagca 60  
gtttcgtctt c 71

<210> 16

<211> 66

<212> DNA

<213> Artificial Sequence

<220>

<223> Artificial Sequence: Synthetic Primer

<400> 16  
gatgaacaac aaaccattat tagtagagtt agagaaaggc aaaacagcaa cgtcgaagtc 60  
accttc 66

<210> 17

<211> 72

<212> DNA

<213> Artificial Sequence

<220>

Expression of a Human Insulin Precursor in P. Pastoris.ST25.txt

<223> Artificial Sequence: Synthetic Primer

<400> 17  
ccgctcgaga gaaacaccct cttccttagc agcgatagaa gcgatagtag tgttgatgaa 60  
caacaaacca tt 72

<210> 18

<211> 267

<212> DNA

<213> Artificial Sequence

<220>

<223> Artificial Sequence: synthetic sequence of alpha factor from S. cerevisiae, obtained by PCR

<400> 18  
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cctgttaaca ctactactga agacgaaact gctcaaatcc cagctgaagc gggtatcggt 120  
tactctgact tggaagggtga cttcgacgtt gctgttttgc ctttctctaa ctctactaat 180  
aatggtttgt tgttcatcaa cactactatc gcttctatcg ctgctaagga agagggtggt 240  
tctctcgaga agagagaggc tgaagca 267

<210> 19

<211> 44

<212> DNA

<213> Artificial Sequence

<220>

<223> Artificial Sequence: Synthetic Primer

<400> 19  
ggggatccat atgctcgaga aaagatttgt gaaccaacac ctgt 44

<210> 20

<211> 32

Expression of a Human Insulin Precursor in P. Pastoris.ST25.txt  
<212> DNA

<213> Artificial Sequence

<220>

<223> Artificial Sequence: Synthetic Primer

<400> 20

ttagaattcc cgggtctagt tgcagtagtt ct

32

<210> 21

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Artificial Sequence: Synthetic Primer

<400> 21

tcactcgagc ggtctagttg cagtagttct

30

<210> 22

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Artificial Sequence: Synthetic Primer

<400> 22

gtcgtggttt ctcatagtag agtggaca

28

<210> 23

<211> 18

<212> DNA

<213> Artificial Sequence



Expression of a Human Insulin Precursor in P. Pastoris.ST25.txt

<220>

<223> Artificial Sequence: Synthetic Primer

<400> 23

ggtcattcact gctccatc

18

<210> 24

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Artificial Sequence: Synthetic Primer

<400> 24

agcagcacca gtggaagat

19

<210> 25

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Artificial Sequence: Synthetic Primer

<400> 25

gactgggtcc aattgacaag c

21

<210> 26

<211> 4

<212> PRT

<213> Saccharomyces cerevisiae

Expression of a Human Insulin Precursor in P. Pastoris.ST25.txt  
<400> 26

Lys Arg Glu Ala  
1